

Title (en)

COATING MATERIALS THAT CAN BE CURED THERMALLY AND BY ACTINIC RADIATION, AND THE USE THEREOF

Title (de)

THERMISCH UND MIT AKTINISCHER STRAHLUNG HÄRTBARE BESCHICHTUNGSSSTOFFE UND IHRE VERWENDUNG

Title (fr)

MATIERES DE REVETEMENT DURCISSABLES THERMIQUEMENT ET PAR RAYONNEMENT ACTINIQUE ET LEUR UTILISATION

Publication

**EP 1423449 A1 20040602 (DE)**

Application

**EP 02760315 A 20020810**

Priority

- DE 10140156 A 20010816
- EP 0208985 W 20020810

Abstract (en)

[origin: WO03016376A1] The invention relates to coating materials that can be cured thermally and by actinic radiation and that comprise (A) at least one binder, selected from the group including the random, alternating and block, linear, branched and comb polyaddition resins and polycondensation resins that can be cured thermally or thermally and by actinic radiation, and (co) polymers of olefinically unsaturated monomers, and (B) 0.2 to 20 % by weight, based on the solid content of the coating material, of at least one polyisocyanate that is devoid of blocking agents and that is blocked by the internal formation of uretdione groups up to a breakdown temperature of at least 160 DEG C. The invention also relates to the use of the inventive coating materials for producing single-layer and multi-layer clear coats and color- or effect-producing multi-layer coatings or as adhesives and sealing materials.

IPC 1-7

**C08G 18/79**; **C09D 175/04**; **C08J 3/24**

IPC 8 full level

**C08G 18/62** (2006.01); **C08G 18/79** (2006.01); **C08J 3/24** (2006.01); **C09D 175/04** (2006.01)

CPC (source: EP US)

**C08G 18/6229** (2013.01 - EP US); **C08G 18/6254** (2013.01 - EP US); **C08G 18/798** (2013.01 - EP US); **C08J 3/243** (2013.01 - EP US); **C09D 175/04** (2013.01 - EP US); **C08J 2375/04** (2013.01 - EP US)

C-Set (source: EP US)

**C09D 175/04** + **C08L 33/00**

Citation (search report)

See references of WO 03016376A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**WO 03016376 A1 20030227**; AT E451404 T1 20091215; CA 2445275 A1 20030227; CA 2445275 C 20091013; DE 10140156 A1 20030320; DE 50214076 D1 20100121; EP 1423449 A1 20040602; EP 1423449 B1 20091209; US 2004214912 A1 20041028; US 7098257 B2 20060829

DOCDB simple family (application)

**EP 0208985 W 20020810**; AT 02760315 T 20020810; CA 2445275 A 20020810; DE 10140156 A 20010816; DE 50214076 T 20020810; EP 02760315 A 20020810; US 48370204 A 20040113